

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet	1	of	5
-------	---	----	---

Application Number	10/666,293
Filing Date	09/18/2003
First Named Inventor	WARREN M. FARNWORTH
Art Unit	3839
Examiner Name	R. Kobert
Attorney Docket Number	99-0311.3

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-OD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AL	A	US- 4,937,653	06/26/1990	Blonder et al.	
	B	US- 5,006,792	04/09/1991	Malhi	
	C	US- 5,046,239	09/10/1991	Miller et al.	
	D	US- 5,073,117	12/17/1991	Malhi et al.	
	E	US- 5,137,461	08/11/1992	Bindra et al.	
	F	US- 5,172,050	12/15/1992	Swapp	
	G	US- 5,196,726	03/23/1993	Nishiguichi et al.	
	H	US- 5,329,423	07/12/1994	Scholz	
	I	US- 5,341,564	08/30/1994	Akhavain et al.	
	J	US- 5,419,807	05/30/1995	Akram et al.	
	K	US- 5,420,520	05/30/1995	Anschel et al.	
	L	US- 5,478,779	12/26/1995	Akram	
	M	US- 5,481,205	01/02/1996	Frye et al.	
	N	US- 5,483,741	01/16/1996	Akram et al.	
	O	US- 5,500,605	03/19/1996	Chang	
	P	US- 5,519,332	05/21/1996	Wood et al.	
	Q	US- 5,539,324	07/23/1996	Wood et al.	
	R	US- 5,541,525	07/30/1996	Wood et al.	
V	S	US- 5,559,444	09/24/1996	Farnworth et al.	

[illegible]

Examiner Signature		Date Considered	12-30-04
-----------------------	---	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet	2
-------	---

of 5

Complete if Known

Application Number

Filing Date

09/18/2003

First Named Inventor

WARREN M. FARNWORTH

Art Unit

Examiner Name

Attorney Docket Number

99-0311.3

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)			
PK	T	US- 5,578,526	11/26/1996	Akram et al.	
	U	US- 5,592,736	11/14/1997	Akram et al.	
	V	US- 5,625,298	04/29/1997	Hirano et al.	
	W	US- 5,629,837	05/13/1997	Barabi et al.	
	X	US- 5,663,654	09/02/1997	Wood et al.	
	Y	US- 5,686,317	11/11/1997	Akram et al.	
	Z	US- 5,691,041	11/25/1997	Frankeny et al.	
	AA	US- 5,783,461	07/21/1998	Hembree	
	AB	US- 5,796,264	08/18/1998	Farnworth et al.	
	AC	US- 5,802,699	09/08/1998	Fjelstad et al.	
	AD	US- 5,810,609	09/22/1998	Faraci et al.	
	AE	US- 5,815,000	09/29/1998	Farnworth et al.	
	AF	US- 5,834,945	11/10/1998	Akram et al.	
	AG	US- 5,787,485	03/09/1999	Wood et al.	
	AH	US- 5,900,674	05/04/1999	Wojnarowski et al.	
	AI	US- 5,931,685	08/03/1999	Hembree et al.	
	AJ	US- 5,962,921	10/05/1999	Farnworth et al.	
	AK	US- 5,973,394	10/26/1999	Slocum et al.	
	AL	US- 6,016,060	01/18/2000	Akram et al.	

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

12-30-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

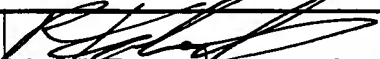
If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	
		Filing Date	09/18/2003
		First Named Inventor	WARREN M. FARNWORTH
		Art Unit	
		Examiner Name	
Sheet 3 of 5	Attorney Docket Number	99-0311.3	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
RK	AM	US- 6,040,702	03/21/2000	Hembree et al.	
	AN	US- 6,072,326	06/06/2000	Akram et al.	
	AO	US- 6,086,386	07/11/2000	Fjelstad et al.	
	AP	US- 6,091,252	07/18/2000	Akram et al.	
	AQ	US- 6,107,109	08/22/2000	Akram et al.	
	AR	US- 6,188,301 B1	02/13/2001	Kornrumpf et al.	
	AS	US- 6,200,143 B1	03/13/2001	Haba et al.	
	AT	US- 6,208,156 B1	03/27/2001	Hembree	
	AU	US- 6,208,157 B1	03/27/2001	Akram et al.	
	AV	US- 6,222,280 B1	04/24/2001	Farnworth et al.	
	AW	US- 6,232,243 B1	05/15/2001	Farnworth et al.	
	AX	US- 6,242,932 B1	06/05/2001	Hembree	
	AY	US- 6,294,837 B1	09/25/2001	Akram et al.	
	AZ	US- 6,310,484 B1	10/30/2001	Akram et al.	
	BA	US- 6,313,651 B1	11/06/2001	Hembree et al.	
	BB	US- 6,314,641 B1	11/13/2001	Akram	
	BC	US- 6,329,829 B1	12/11/2001	Farnworth et al.	
	BD	US- 6,333,555 B1	12/25/2001	Farnworth et al.	
	BE	US- 6,337,577 B1	01/08/2002	Doherty et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			

Examiner Signature		Date Considered	12-30-04
-----------------------	---	--------------------	----------

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	
		Filing Date	09/18/2003
		First Named Inventor	WARREN M. FARNWORTH
		Art Unit	
		Examiner Name	
Sheet 5	of 5	Attorney Docket Number	99-0311.3

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AK	BH	Information displayed at Chip Con 1997-1998, 4 sheets, on GE CRD Floating Point Technology, month unavailable.	—

Examiner Signature		Date Considered	12-30-04
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.
 This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.